



**Fig. 3-4. Magnetic Modeling of the Corona.** Left: solar synoptic magnetogram showing the photospheric magnetic field strength (light and dark are opposite polarities). Middle: Sample magnetic field lines from a potential magnetic field solution computed using the magnetogram on the left. Right: A corresponding soft X-ray image of the corona. All images are viewed from the same angle. (The SXC mission will have X-ray images from two angles.) Even for this simple magnetic field model, a close correspondence is seen between the magnetic model and the features observed in soft X-rays.